ZXir QLive Alive!

The Timez/Sinclair North American Aser Groups Newsletter
Volume 5 Number 2 Summer '95

Chairman Bonald S. Lambert Anburn,
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7041 Market Lint

SUBROUTINES

For Sale - Books

RMG Universe

SNUG-End of a Chapter

Takke DATA LINK What Weeks
Deveload orb from your competts to the name,
many, plane link, troke lad, and Middle names or





ZXir QLive Alive! ©
The Teners Succion North American User Growne Newsletter

T/SNUG Information ZXir OLive Alive!

Chairman Vice-Chairmen

Johnstown, FA 15906 Z66 Library

Date Sense: SEATSUCE ZX-81 PO Tage Library

14784 S. Qual Gross Car

75,300 Red Stamphores (VZSX)

Debt SC Vec 154 Counts OL 10 there

78 130 61 63 BB5 - 00 ****

Editor/Treasurer

ZXW Olive Alinet

is the newsletter of Trining, the TenceStacking providing power and software in a volume of four needed-DSNUG's main goal is to keep our Magazine.

our vendors and our repair service alive for the benefit of T/S users.

out here. We must support their Another TINNUG goal is no synthic for all These Charles machines, building a library and showing both the source and the If you have solved a problem or was have a newly-

postored

TreaSury Notes As of May 26, 1995, we have a bolance of \$1182.82 Tot on keep DENIES telegron of \$12 for one

Kehele Sond shock to -ARED KAHALE HOFFMAN ESTATES IL GOVERNITOR Phone - 708 NG-4377 Beck Newsletter copies are

G. David Johnson Larry South

For help, contact the EYECP by Leaning a

case privileges. The ESC has breake authorse coffed conductors. Julie 17" for Total a Conference, to see the different our faculty

Article

Contributions

DON LAMBERT ZXir CLive Al.ive! Newsletter

1301 KIRLINGER P

GATOR's

TWISTED PAIN

We have a 54 hour \$86 and moreover. you to exchange took and emphasis to the

Send in you Sonk and your inputs tr-Yeard in your articles by two or

Input/Output

r Med Kakale

I think it was a good discusses to move your publishments that formed on that ZOT (Clere Month and CFACID men's published in the same when Sume our publishmens are desireding it in more to have then coming pead out. You might consider syring to said half step in between UPTATD's

owner our processors and extending in a new home them these coming spaced out. You might consider trying to med half way in between UPDATEY's Les Cottrell.

Cocce, FL.

Though your five inflience are brown that were

Thank you for initing on Intow that we made the right decision We will consider moving it forward irgain but, it all depends on how much ceetalist we have on hand at the tree as you one appropriate.

Enakased is a diek a sort of cepty estacle to DcD.
Seemer's TS Dolleton. I don't thank it will start too many specks.

I have enclosed a copy of DBAE the Atan ST

olto that was ported to QL too
Hope to see you in Oak
Ridge for the OI show

Ridge for the QL show. Itsew
I will see you have in Dayton for the ComputerFeet
(and the the burgers -)

Tim Swemen Houser Heights, OH

ZXir OLive Alive!

I am sure Bill Harmer will appreciate your waves on the subject, and thank you for the made.

Think you for such a great source of information on the Trans anothers, repressibly the TE-2061.

for which I own and use weakly Think you end keep up the good work! Robert Galbert

Words allow pours knops us going.

I roully approximate your hanguage in with the Sizciair companies. Allowagh I use ISM companhiller as words, the ZSI as stalling (Incorpt workshors). I've held onto my IS-2001's but how been soon based to work with them, as come as I find name for

busy to work with them, as note as I find name free time, I plain to return to the fold.

I apologue for the delay in paying, for the subscription. In II possible for you to markly your labels. to malade the exputation dear? (for those of as whose no-ske list would require a 36 hour day) Francisco Skine

Francise Sklar
Loch Sheldrake, NY
No need for appages, you really were on
tree - February You're doing just line with the
24 hours day young ledy. I use to have the

or violate of public published as an interesting of the published of the published of the common published of the published of the published of the Superior published published of Published of the published of the published of published of the published of the published of Maken's (Spering) of every year as were comprisely interested. Apparecially pour concern and thereta for the pood word.

There as may mentual contributions to TATINUC, here up the good work. I always block flavored to reading 27th (QLAN Albest membrate: This Harry, Miller WITDED)

Harry Miller WIDRD
Berlin, MA
Well do our best, and keep on Diving
Deels you, for successing the continued unase

of the delightful latte Tenest Singlest 2008. Engerially, we appreciate the advance warrang of the Navaslesse's change in schedule. Keep on TDdDC's. David Lapscov. Tuestow. A.Z.

And thank you for your contributions
Reclosed my check for "95 TONUX" membershap Fortunately I am combining norm agrang disering while I pack for Spain I were serious a recentler

This file is newborn - new ZM straved 1995; I consided it 273275 and new longing for a ZH-rayle BOC RASC remail Solds - doing what seem region, or, I am not of maching myself BDC RASIC These seems to be bug in my service office groupers - CLI.

(Command Line Rimprostic), typicy is consente fast, programs in the ZH messaid mey be what enabled my PCRI I also and the Department of the ZH messaid mey be what enabled my PCRI. I did not show with I file line or white I file lines.

to be for 3 does otherwoods, till. I get my don't yearmed our agen, with resumps of mysochong dates, etc. May be Chucill were to blooming. I also less lists of chosens it of personal for my stell, I manhodolid and exscheduled. I thought I had i mented my kennen with "The Woods". And I technology great! I seed to know Summer 1995.

my plan for the day as a samp of paper and part and I had a senal consessor with 9-yes plug on each and) but clans, that sooms cumbersome Seeses like I could orne it thru flore on LarKen, or sonal port on Zubra

mands. I thought thank 10 years street I played with Second on some way to right. Regards,

Brackettville TX

between the 200 and the 2000 - he moving Not having a ZEE, I would venture to say that if both computers have sectal ports, then all you need is a cable with one end having the connector pins in reverse order from the other

connector. The sovetok port worth do. You can A momber werea, I know very little about electricity and I need to

4.5 feet? It will be much easier to run a this cable You can use the cable with no problems comying 4 amps incomure. The drives are only fort' internationally inor signal weres, such as to

To give you a guide Hold on to the rubber gord of your toaster while you are making toast. THE M THE CHECKSUM WHE WITE SUPPORTURE OF

lowed by Underweiers Laboratory Inc. You Ut he is an organization created by manufac-NOT the wolf meeting the shop. Manufactures equipment washer does pomputer toaster refro-

scator, shaver, light fidure, etc. you will regready first an identification label curying either the UL insigns or something to the effect of Labor Recognized of An-

I don't want to bore you with details, but if there is interest let me know I am tember with most of You only need to learn one formula very well to become proficient in electronic Chris

of course I = E/R and R = E/I Also Wilson's EYI or W - EYP My tower is lisheled 900 wells 120 volts. So

I - W/R 900 disorded by 120 = 7.5 acres in the outsupply, monufacturers keep the good length to less grage cubbs. Your 45 feet cable has a resentance of 0.29

ohen purvous 4 seros which is W-PK or 4" X 0.23 - 4.6 years of heat properted in the cable. Since both draws will not be removed at the same time, was won't feel-the-heat so-to-speak from the orbits worse As you can see waltr are not part of the formula. So soften is remateral when functors was except.

III. is strutly for safety not for worksholely for close tolerance sephostorus. Dafety telors the first not very sell thought out. What I am interested in inmore like a short that well list the same that various sauges of were well easily well-out grown out of operatware gatting warm, it as a question of whether the were will deliver the voltage within IC tolerances Of course membe what I am womyou about in rematered but when you rack on a 200 ft, outersoon good and they say that you can run up so mean amore of the cord in 50 feet it is much higher current. But

Of course are electronics in very mater but I impler-

You have 4 wires having a resistance of .20 O this is to party a maximum 4 stress. Since

0.117 The voltage drop is IXR = E which is 4 X G 117 = 0 495 volts in round numbers! 5 -0.465 = 4.53 works (the voltage should not po better 4.3 volta and 12 - 0 466 o 11 53 volta is

ouvert. If you measure the current, it will be

less than 4 arrps). UL ing standards are beard on set these calculations and from them Trey derive a femoessive rise above morn ambient femographics of 68°F (20°C). If is not

satisfy hyperen. I never worked by III by the year I did have to meet their standards though To exect

there. I had to learn all about there Since I originally didn't went to go deep into the subject. I this present you with an alternative - the inaster cost Princeson costs current cardistance and legists too. If a 958 cost one carry 16 arros is 60t eard of the same was pauce cen only party helf an much: 6 amos. Were gauges are apported in others per first areans.

other specs. There is no wire gauge table trouse on house wiring in the National Electricel Code that gover amores from #16 to #0000 for 6 to 225 arros. This is of no help to very

fuse the same. Here is a list of resistance per foot from the American Wire Gauge (Brown & Sharpt for Standard Annealed Copper Was-

Gauss Olyms/L 0.025

By the way, them is no such thing as everelectronics, nothing like +0.000015// +v miotors nor recrunch Electronic components have talerances in percentage. Generally reandors have 1% to 10%, capacitors 5% to 20%

ZXir Ol ave Aline!

WOOD . WIND Thanks for putting information about my bumnotes us the lost revenietary. Keep up the good work, If

toward bette. You can electronomy or reduct

Cornish, NH I decided to make it just for the fun of it

I not the Sonna 195 mean of 2000 a lottle whole submissions. At about the same time, I was expencounting, with my new PC\$300 perturbing to propresence some manic and I wanted to work reveal a

tacked. Rather than sending a menuscript and recurpossible, and (if you want to use the article) about all tages in the ZIVTS world, and that programming. music on the PCE300 is more obscury still. Fig. at.

Gillium Parnsh Beegs, OK

Original if is: We appreciate your contribufon especially in a final form. You really dight Would like you to send me a complete set. of pricessors for the Larken Duk Interface by Lee

LutKen and all is operating well Netwelly I would also like a LarKea for my TSfoundation Presently Line's understand the need for

hads the IF and the dock boards ... Down Interface board that fits on the book and a Disk Operating System (DOS) board that fits: in the clock (cardidge slot). If it are expelled out it. See Larry Kenny's description, enclosed. inoviedos he has not made the Dok Drive izzone il la a larger bondi anci in more compine costs by . Of course you sell need both Anaests By the way The My advice would be for you to buy a system while they are still available. See RMG

understand that the DOS plags rate the custrides slot

and that the enterlace board litts on the back of the Under the exposurances I decided to purchase a used AERCO disk drive system from Mechanismi

Meex I needed your kelp to come to this conclusion. I am very emissiol for this important information. Timen/Sendair Alive and Well.

Moses I she WA

I am totelly unfrenker with you. Thosel that was distribute a rehistration about TS-1000 RC 1 www.lel bake to see this stern. Send me as many back issues of your Mag, as \$5



SHEETINGS FALLOW IN TERMS OF.

of the LISER MANUAL for the TS-1968 Personal Color.

SHIFT SYMEL-SHIFT for Code 14, and Charger trull for Code 0 This is very bandy for cheeling a strong

ensest letter goes from C for CAPCULERED sport to K for 1 to 0. Forelly for Appendix D, the veloc of PEEE 23680.

Refere January Association D. we have to adopt to passing on some excessors material. POSITing 15692 (SCR, CT) with 0 does not dualid; the SCROLL operators (which would probably be expossible to deable, enyway) Please, on Page 29 of CCATS' "the best of THE PLCTTTES!

Flore at some interesting CODES for reading the star-LegKen DOG: Line 10 unvoerce locution \$300 on LKDOS sciented. Lone 30 couch this as 20-USE 118. But, we enlist

> 10 BANDOMOT LISE 100 DOM BOTO ALES 30 LET 2*NT (0.5 * LN Z / LN 2) - 1 63 LET PD+ 22 AND Z < P0 + j4 AND P1 < Z)

David Lassoy

Tucson, AZ

FROM THE CHAIRMAN'S DISK &

west obers and I will let those that banded the pleaded and finally the money moved from Florida How much of my own effort contributed to the distribution, I do not know and I won't even guess at

that it not alone repardiess of War did what 1 do There is action in the TOS community Sometimes the action becomes known to me. There ere still those out there that are weeting more T/5

equipment, softenes and disconnectation. I write Ovorsonally, I do help romeone: that is I hear

I helped them. That makes me feel that I am not working alone or writing Cine person asked about the A. & J. stoney Googy for the ZX-SI I

had no knowledge of someon that wanted to Asseted Instruction) stratey floory so I got at name

COURSE DRIVE worked. I do believe that I may www. more time with at than when I first you or it works, it is fame then I also had a request for some software for the EX-81, no I shedded that out to be more at would

Another person bought some books and usked did not here earthing but dealt quality and that

book. Introducially, passage to orthing more expensive

1989 as I serviced as a horsey backers for the 7Y-91 three hours. The bestury year covered the ZXCR1 not anothers also. I am assistant to set that article retipped for hour use of it is deemed worth publication. I have found that records are sort of Nice

problems son face tall you start. Sometimes the problem is not really a problem - that is - it is a you throught it should have been done a different way

Some problems are not solvable so you have to

On the Times Overstone Supry dok system the drives not FORMATING as

> only I had mentioned to Jack Dohany that I thought I would use a 525° 4b.

track double raded drive to have that careabilities on 5.25° disks. When lack sort

half beight 5.25" drives, one was single sided 40track and the other was a double saded 50-track drive program to check spindle rare. The drives LOADed with a little difficulty. They FORMATed and track drive had a spendle speed of about 266 or 207 and the SO-track had a speed of about 290. When I

All the time I was only unemented in the 40-base, we for some offers, we for pull disk, was for the pull disk, we for pull disk was one of the pull disk which we have been a few of the sound of the pull disk which is pull disk with a few offers and the pull disk was to so, upon a few offers and few same, and so the regional disk was a major off the 10-base, have been a few offers and the pull disk with a few offers and the same pull disk was a major off the 10-base few offers and the pull disk was a major off the 10-base, havenum, a double well disk was to make the 10-base, havenum, a double well disk was to make the 10-base, havenum, a double well disk was to make the 10-base, havenum, a double well disk was to make the 10-base, havenum, a double well disk was to make the 10-base, havenum, a double well disk was to make the 10-base, havenum, a double well disk was to make the 10-base for the 10-b

I had not Jose Koaly a package of 3° disks (some with programs that the might not have sed the yest FORMATING) so that size sould send me your of

the programs LOVGod fine. Where the assessment per to both the part of an evolution cells in Love in Love in the control of the per to both the part of the energy time is read to do it. The energy cost is a single control of the c

CALIESE Stringy Floppy by Donald Lambert

LOAD progress at 1100 BALD on managements
The CARSST or used with the CARS benefit
The Management of MOV

The predecessor to MOV
From "The Timeo'Sewine Devetors" by E.

Addis Develo Corgrency, (2021).

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community study or years serving trade as to de place.

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Prooferming, the CASOD See that come of the of

The Strings (Topy) is part of a new perfection.

The Strings (Topy) is part of a new perfection.

The Strings (Hope) is part of a new perfection.

The Strings (Hope) is part of a new perfection.

The Strings (Hope) is part of a new perfection.

The Strings (Hope) is part of a new perfection.

comparison, a standard cassants player agents as about 200 legal (deblecoord) while the Standard Property Open opening at 1100 legal (LVIIIs to exercise solution self bits occurred to 1100 legal (LVIIIs to exercise solution self bits occurred to exercise solution self bits occurred to exercise cell, vict. to 175 occurred to 175 occu

beed on the back of the compating. It invents to classife lifery parts available for ease of program standards from classifier to design from your varieties for classifier to design from your varieties for classifier to design from your will have be very about proprietability with all of the oblivier apprehimenance consusts tapes. I mentioned before that it has the above, the infections is easier of minimal course, it can do not write a program in whiting an well. This gives the Yill the modeling of compatiences latter generating.

More specifically it even not a word processing program for a form label, audies where, editions and other information from a malling list, and dit in the blent, to proceed a personalized foreign letter of source oil of this depends on the assistability of competition to beaver. The Bringh (Roppy is mean down. A revenue.)

and find Stray of the Stray of

Samsor 1995

Their was in 1953 when disk drive poose were through high. Data that disks theseselver were to the order of up to \$2.00 catch for 5.30° dails whall the drives were close to \$300° each plan the close startine. That was one reason that the 175 companion were so skew to have old driver selections revalable, those that were to dails driver selections revalable, those that were to dails driver all acrossy to speak

The CAUSS? teen a special tope entradge colled The water. The water is 2.21/02° [ong by 1.96] of by 7/32° think. The tope steed to 1/16° wate and blue the tope is an F-trade outloo caseste as endiess.

to tope in an E-track audio cassette se endere.

To sail the CAVESE sate use you key in the Distriction.

PRINT LISE 10244 SENTERS

PRINT USR 10246 (EN you get the meas: ZX-81 ESF MENU

EN ESF MENU LOAD SAVE GERTIFY

The ESF SAVEs to a file number. It does not use
the ESF SAVEs to a file number. It does not use
the manner as you have to hasp a bits to be able
to know what is on a water. It does not assays file
manhous as you SAVE but, you supply the number
and if you reuse a number it will ownersee the
seek if you reuse a number it will ownersee the

sees in you reme it mander it vys overwees see previous date under the 50 empher. If you had fire the on a water and restavitied the had 50 (60%, 1) don't have seestly when would begree if the restavited file was longer than the first but I support that part or all of the third file would be overwritten. There is no water directory nor missions (56 size on the water.

The operation is robus simple and supersimply probable. It will keep we drought for stops to state on each a board new solar. Idea is shall be a solar to each a board new solar. Idea is shall be a foreign solar be confided (COSMANDA). From the CASINE mean year select a board operation of the first file transfer, not present STATE. The section will be brief and the modes of the confidence of the confidence

file remitter in green, the PUREMANT (contrilly will state in that this known was certify to the end of the tops.

The only problem was that I found now walness that off description, that in the top point in this appearable that statisfies on the state of description, the problem and thought of united the CARS incidences. I had no demonstrate the unit on one ZNor CARs of More!

When any other wafer option is adecided the computer will ask for the seasing. And whose SNTDR is present the CARSON gave rate action. While I did not use it, I below that the CARSON does not really know when took the CARSON coles not really know when note the CARSON is thank that at the end-of-56s (GCP) market them in a war for the CARSON to determine the law in a

drank dast at the send-of-She (SGCP) mention them to very for the CAMEST to determine that there is a contribute open as your a file. If the SAVE is the long, it tree to SAVE on the field plane, there will be an extra message to that effect, for the SAVEsing present, a norm to go through the tops to get the field marker. When you (LOLD) a file rangher send the marker When you (LOLD) a file rangher send the marker and one one can to the world, the CAMEST goes

We does not event on the water for CAUSSS pass traceply the inperiors find in Self-term presents pile the site count to found. Moreover if you have LOAD-be it for self from LOAD for event first from a state of the self-term presents of the self-term of the AUSSS with the self-term of the self-term of the account of the presents of the self-term of the account of LOAD presents of the self-term of the Tele waters can be write presented by receiving a Tele waters can be write presented by receiving a Tele waters can be write presented by receiving a

oncome no specing that noise protects the occording medium. Fast this reverse of the 5.25° disks. The CARC is powered from the computer but the ISF in powered by a 12 VAC 50 any transformer. It has the 5.85° plagged not for even of it while the right solds of the CARC has the standard Tener post.

There are restructions for program chaining and a chapter in the 16 page instead for mechanic code built. For instance "MOCE 2500 ENTEX", Ar-File mather. Used to write the EUT marker."

The only and advantage once counts is a than in two much finite. With the restablish LOAD ALDS.

LOAD casesties from a lefforms people on.

There are progress to accelerate the baud rate of

Chie SAVERing and LOADing readers: The

CAREST is an automating concept that just didn't

make it like 8-trade casestie systems

A Word to the Wise

by Ten Sangara

Bill liberar's article in the Spring '95 some of 2QA mines some old thoughts to contribut on the fixture of Sandair computing, the demon of warour User Groups, Newsletters and the move by Sig-

puting has been drowing on for a few years. This is especially apparent in the realty of the TS-2068 and

ZX-81, since the amount of new software and hard-I have some so with a couple of 'rules' on the

1. All computing platforms are expendedly the same. One me any computer, be at MS-DOS, QDOS, UNIX, etc., and I will be able to do the busin of gramming, etc. Oriented each platform has some differences over the others, but the basses of being a computer in always there. As the owner of 53 posputers. I should know this. I have a Cif., as MSUDON

PC, on Allen ST, and a ZRE all not up for use. I have on Epson Genera that I would like to use more I have a CPM machine that my wife used when I took the 2. Your computing platform only needs to change when your requirement changes. If a CD/M (or 2068) markets met your require-

ments in 1984, why does it not meet their now? Have computing I need to do (mostly word processing and If you only need your computer to do a few

seriole tesks, why uppends to a full-blown Pantaue? Nex, output stelly depends only on the second and not the platform. If was backed on a FX-21 to a leser printer, no one would be able to know that that

prostout cases from a ZX-87 3. Don't get irretyed in computer/DS bash-We each have our professors for computers,

cars. There is no need to send was seemed as who,

I personally loss the QL I use MS-DOS Windown at work. I have spent a couple of years delvine upp the decile of IDEX. These used a servery of coereting pretame and personal computers. I show the one I laked best for the proof I was wolling to pey I do not need to have by this choice to arrown.

4. Don't elianete those that ere leaving Stacitel Computers and moving on to ether niationes. Status with an orphaned computer has the costs. The hardware well fast (our with next extraor

harder to find). Outline any new sufficient in portion harder. Support as almost non-sourcest. It's limited to groung help from other uson. The face of the new photograp with all that new software and memori is twite enturing. I mean support as that you can walk into any computer stars and buy MS-DOS-Windows progresses 3.'s been 10 wasts tappe you could do that

A I people leave the highly. Let these leave about the emplatees for MECINIS Assure After and Mac. Let then know about the QXL and Let then and Just won tet? In one little one yed that now stall plus keep some of the old stuff too. would like to stay with the CL for many years to would like to stay was the ... we want out ful. Using new hardware (lake the QNC.) well allow see to

continue using my QL/QDOS. The ZX-\$1 and Secfrom emphation allow you to continue usuae what you his without homes to wrew about your bardware dynas. Plus, with the speed of the new PC's, you can have a really souped-up up ZX-\$1 1 would love to cione No Wesdown at all Just have the AUTORIXED BAT (i)e boot up decetly into the ZX-

that the ZX-\$1/2069 still such their needs and want. to knee it. The number of new suncestions for each consuler in first approaching zero. If you lave orthor compater, stay with at end he hance. Let's hove that will breathe new life rate the Special community

of waiting to load a spreadulest or an AutuCod dust takes a long runs to later. After you just begin to later how to ture it, you steel discovering its quells and then you have to learn how to on around them

Basing an amateur programmer who bless to keep up with the state-of-the-set when I were offered it. I found out that every system had not independent that you had to fount how to live-with an the playlows of your obvior. There is also hathy no secure for operating systems analogang, the start you'll for the wide

operating systems malagrang the merryret for the roles of brang different from other operating systems. Those that did see game and forgetten. Then there were those that did see excellent job but couldn't hank this humans and of it, such as Commodore who

rock the business o

May M, 1995
Illicora AU, who operates 1500 computer storms in Europe, paid \$10 million for the rights to the Commenders receive, as painted and intellectual propularly in heistign-quarter stories. It plants to measure production of Armage model in Chine. It mays it will interprise Armage studies in Chine. It mays it will interprise Armage studies plants of MEDICO studies for the Chine and th

Cir a I resily meant fip b

About? Retry! Full! About

About? Retry! Full! Full

Committee on the second shift of

About Kerryl Failt 3 T Dushr; sily not take our look to where I sterson from? (States)? Bill Gazu; this is 1905. In the Lugical world of computers, oil why-obwire do monomerous stems usen houses with their

slagical quarks. To be use? Or to prainfy you for the metalic you make? You long going round-andround and you get those cryptic sensible error reports, they jour didn't do short foreseverit well. But though low-shanged a let to the better sail or come codes too more public? and monthy administrate.

Nonsense in BASIC
The Times/Sander 2003 reported for VAL error, but
it took the licking and kent on ticking

F CAP'T BELIEVE WHAT F SAW!

I was trying out some of the softwar on the

FERSA frommore did retrifice and this benevated.

ing. However, no matter what key I pressed it was ZXir QLave Aleve!

from an the mean mode. So I present break and LISTed the program. Now west instructed that is not a program - not even a last number. To document g, I LISTed at not to my numerount I get a different out-

I hadn't been disaking although I was sempled to go sen't fits two bottless of how even still in the inflagmant, from what the oldest daughter and frendy were here has sename, but I yeat sait and finely looked the pressor over WAL, thus us o'Portugues stending on mappe thus us. All, but day we also stending on mappe thus us. All, but day we also know do end this was more like what you'd use in-

Anybody out there know what went on. I don't even know what the familiase of the program are sed here write to find out. Dat shift, I wonder if this is an unsolved mystery. Donald Launbert

Donald Lambert Ambura, IN Say Dry Ere Fran HOT 1 . 7

TO SERVE OF THE SE

THE SECOND STREET

Figure 1

The Mystery has been reported to Robert Stack solved Mysteries - But hoosely, if happened to

with the Display Bodes Total street stokes (PLIT 256 62 - DLIT 256, 2 or worselfully like that Size appear 2670540 of the resource Anyone of them who can shod some light on what is exporanting? Ediller What as in LINE 10007

QXL Notes II - Sequel

Wild, I finally get any mediuse copy of SMSQ 2-87. Wild (SML) operating system (20) which remote like (CS) (CSD) — may stable large, but not profess. First, the necessary large-level videors which ready mode the (SL, Addialt to use he have consoid. The SMMLOCK can be lift for (good news if you profer anythe longed for manners require.

ong the oxylon list standard special or single course when A specials observed generation with course when TandAMAX (OSLDOS) is used to TASK OWING the between LOCAS and MANEY, America, then so destinated by severage and the properties of the course of the process section. Single 1 have done to severate the profession code to the contract of the course of the course of the locas of the course of the course of the course locas of the course of the course of the course and not contact the TASKO compiler. Makes with the contract of the course of the course of the Course find and selection of the course of the course of the course for the course of the course of the course of the course of the course that the course of the c

oning and company or programs return a CLULULUS access to not concern when companied on a "regulate" (E. I. sampest that the LEMERACION may also have a problem running under SEASO: Note that the concern a season of the concern and all as anadom with the COO. For some time to come until all

the magnitudes are seculed (if every) the SMSQ (30 will Thop hoping that another wrongs of the SMSQ (30 will the calcased which beaut this a VGA assess rather than what is no going. Slow, this may simply be a master of my with it may prime. Slow, the may simply be a master of my with it me prime. Slow, the may simply be a master of my with it may be not be configure to the magnitude SMSQ in order for all threat whice depicts I don't media seeing my documentation or that lies, I alway to use the "swelfig pre-

documentation in the list, have to use the "swelfy" popprise which in rev includedly but, that does not assess that it not filters outcombines. Some of the list is interpret. Only progress so that they fill the somes as if using a high-sec COA mounts, I makedy possions that it would be promitted to receive for the MOD force on that the COA to a

potentials of the Park State of the State of

(40-column) is anally a trivial unless size recome deniquipie

NETworking the QXL
Series my professed various of 7/19/30 at 2 00, 1 was regardly perplaned when I could not get the NETwork PORT's to Envision.

ZXe OLant Abrel.

It came out that there is core accompanily between the SMSQ only and other varience of the URISO TOOLER! I have found that she WARRO TOOLER! I have found that she WARRO TOOLER! There is no that the MARKE (DR. one mand, that MARKE (DR. one hands which by a searching TRE_EXT

The other than CRETEXCOLE CARD and the QNL, the poly time of NATHONIOUS that could be makedown.

a. Provide the Northean According to the Control of Proceedings of of Proceedings

NET 1 FRENVE

NS_USE_NOK_NS_npt, NS_nps_NS_nvs1_ NS_nps_NS_nvs3_NS_nms4_NS_nus1_ NS_nds1_

And, the BOOT for my COLD CARRIED QL meter the filling determines NET 2 FEDRING

No. 100 to the common of the c

client. The first that you can have up to sight device might not the element, but a west than in the congant, memorals to the element. But a west than in the congant, memorals TOCKLETS executed.

Second, 4" would, "in all seconds in device to an electric than you cannot device "NPPLIDE WID" stoke that would conflict with an outring system denses name or CRCSS laywared.

Same the COSC, name "would" it demans, any unsellered.

While you was use any doors label. I quelly from What is been to use a dree laber abternation. It you use a fame-laber daugenture, you use LOADSAVOISE from reduces PEON programs (and most others) along the NETwent. If you thouse a non-

DEV USE You may have cost observing that DEV USE is a

Mees for older presence that created develor access sale Differences Incombible you will want to proording your programs to assess a "rise()," makes of "Epd." for

dea files. Mo-COCI's heed pudodos those lines

MDIR BAS MDIR BAS (vi 00) as a Superlandic program

deepard to fashtate using the MAKE DES heavened The MAKE DIR keyword is need for amone reb Cithertonos - that is, rebonfuste Diffuencios to the

ment directory. On the QL, these appear so names sppended on accompage comboil " I have firsted that on some occurrous if think this is nesed by some on older TURBO TOCCATO, the MAKE BOR company is amond by my CL. The in

If you do not yet have the MAKE DIR knowled on your system, then you out modify the program for other purposes by hering the appropriate DSFeed PROCedures

A CPORTED (ANSE) names at also preliated the removement for these effected as apong how a functional "C" program looks | Down not tood compling the MDIE, o

Using MDIR BAS MDER, BAX uses the fire faration keys and the Seroir provide someonic function lies by the OCOS.

device on which you wish to MAKE (a. sale (DER(restor)). The options are figs_

went ves2

unit DEStactory profits. Once you reconfigure your programs, you don't have rently don't see the point of it succe I have specific

TINALLY Second I often make " la" fire. I have found it more convenient to have the copy of Qwill confirmed in

that it still looks to "Bot " for the printer dat the Of-

AND COMPTIPING TO TOTAL

w1 05 to Al Fene

(F2) "find " you would press "FI". You should one a finelycompond with the Emotion I key that you present INPLY

If you INFUT "but" (for exemple), when you not the program was should see the pape "last ->" in the appro-

If you DEPUT a name longer than 30 observiers, the mens wordow and seast. The this finalize to your advan-

If you select 'FS' for 'other', you must reput the

CATTE ACCES our 2 or hor a dark-rate name tran-Seme thoughts about CPORT & MDIR &

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201a - OZOGOREYS 40 PENTIO," wal. - 275," 60755276 7 wal. - 275," 60755276 7 wal. - 275," 2Xe OLio Abel 14 See 4TO STRUPPIN, 2 INCOME 7 PROVIDED IN MIDDRESSES ... 640 DEFue PROCedure MakeOne 500 = 232 ATFS, L.E habbabz di = "Da" x = 1 dodi = "fot " ATRO LO DECRLO PRINTRO," "Joud ATVO, 1, 7 INPUTYO, 615 MIGHORI "Sec " ATRO 3 A INVESTIGABLE DESCRIPTION " Colored ATRO 3.2 DAINTING 645 MIGHOUR 540 - 240 AT#0, 5, 6 highlight 6 - "wur" a - 1, dex6 -"west," ATRO, 3, 0 INCASO, 0 PRINTRO, " "James ATRO, 3, 7 INSTITUTE, dus. Malarchae 550 = 244 ATRS, 7, 6 hosbacks ds = "wor" a = 2 ded = THE PLENTING OLD THEN NAME MAKES "west " ATRO, 1 o INSCRE. o PRINTRO, " "dard term many "THEN S - man TO B a - man o. ATRC 7,7 INSTITATIO, 615 Michigan 6-25 - 9-51/ TO LENGED 560 - 248 ATRO, 9, 9 hupsage: ATRO, 6, 9 DOCES, 7 THE PARTY - " "THEN MAKE DIR GAMA" "MINUS

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LIL' AMP RIDES AGAIN!

Dow Bob. Here is an actual for Note Times Mouse to sharek your group for the newsletters and the keyboard arts ole reprints. I am enjoying the big lawboard on my 2006. I have used my son's color ink set to make keep

After it in published as Nite Tames I will probably

welcome to publish anything I did for Seac Link. If you would rether have inputs on disk rather

Stepharly Yours.

Many of you started with the ZX40LZX41 or TS1000, TS1500 like I del. (Authority I started with a ZX-60

smelifier 2000000 av expenses of LCARing deliculoss from tens to some Craof the states was to see a little ballery powered saughtfur

the amplifier reput. Then occurred the amplifier output to

puller is set up to do a tree SAVE. Shart the LOADing soquence on the reserving computer before you start the If you set moving to a difficunt dark system don't do

If you are moving a mouses that has a companion.

(LOAD) to do several operations in There found the to be a rebable way to move from LacKea to Zelon or you wore. It is better than going from Luffen to tope and then tape to Zebra. It also is a good reminder us to why I want to dark in the first play

QL Corner door. And so usual, a Dutch Total donor after the show

Bet Gilder L.I.S.T.

The 3rd annual North American show will be held on Senurity. June 10th 1995 in the city of Oak Refer. TN: cr. taken attacking the slow are Steet Hospitall of marcin Systems, Tony Fushman of TF Services, Mill Reductions Turnorke, Oak Ridge, TN, If you also be story

straine ther CL Bulletin house. It is not endendeding that Street Householt will have

will have the QUEEDE Hard Dork Interface plus most of the

Cooled SOLR at they North American Office P & Box AT I SANJECK. For additional information oul or wain to 4117, talephone el 5 463-N 53 The show will be held at the Fagth Luthern Church, 1300 Cak Ridge

show due to personal capazantaneas. For all of you as QL

peet many of you have one

The Musical PC8300

Gil Parris

The PCE100 as a Bloog Kong "titter" of the TS-1000, also become as the "EQE300" or as "Your Computer". This same is about making mome on one, but like talk may also be shalpful with "your own computer" (so captable of your make as explaine of mome and you have never titted programming

From the region of the first contract to the first behave been dead for PCDM2 entered for the CPDM entered for th

Dell, extract changes appear to be primated improvements. The curry and primar on the subpossed of the larger with and-mallers "Validated" trays are stable that the "TO 1970 and and "Validated" trays are stable that the "TO 1970 and "Validated" trays are stable that the "TO 1970 and "Validated" trays are stable to the term of the primary and primated and primated are stable to place the "TO 1970 and "Validated" trays are stable to the stable primated and primated and primated primated to the "TO 1970 and "Validated trays are stable to the stable trays and the "tour should be primated to a wide the "tour should" be presented use with the "tour should" be presented use with the "tour should" be presented use with the "tour should" be present "Persilly and primated trays and "tour "T

When I recently sequent one of the mean, I started scending around for progress which would support the unique sequilibries of the conducts. In this I had broke well. The

making at more TS-000 compatible, and rather, is esphericants (DSA what were descripted for the presence Larke other terms or horse been put any dissipant, software a specifically for the PC2000, 140 hauged some met been modeled at few 20015 programs to not out. So I double as gibt outsime programment in the control of the many persolution programment in soft, and, or of the many persolution (a popular constraint program, published to gave using those force graphs indemnetely), decoded an



I wendered at Eart of the most equilibrium of the PADDS in this is because in the first Padds in the property of the second property of the p

The only advantage of a mode less powerful must spine in that the commondar in one is may be concer in unmound to play as A rate on a 1000 magic back like— 40 SOUSD 0 [251] 0 F 10.5 NB — billiowed by yet exchocement of existences when another ordine— 20 PAUL "16" representing the duration of the note: MEJCH enter?

mostly susplic old tuses and Christmas ownix. I show to Hollywood long encounted delang with 166 Meet on a Dead

Ma's Chon') with me poster. The terred out to be a for by "You'll need to remem-

ber: 'Every Good Boy Does Fine'. "

Could New Diges Pene". You see, the ground scale runs from A through is and then back to A on the table and on

· - Whole note i = Helf note r = Overner over - Cutth note > = Sweenth nose

h = Thety second note If a dir follows the now, the now develop as progressed by 50%. So for gottages a detail half-note would acquile be

To answer for the different sets lengths, I assumed a sobole

second note. "2" I small as easily have accuracy the solution would have winted just to well, unless I happened to run so the pace I ended so some TEMPO 5

Defend forward the sheet assue, note that the execut songs to translate are those shot contain no sharp symbols (which million it to any that a song wellout main symbols Q e. on the key of C Major) has no shape or fine to make thags difficult in transfersor. Mono does so different here well "sharp" Love succedency shows a and below a. The same

furine the wang (which mented to have no effect on the of the worse and the beginning of the chorus I found that I fashed on the serion by using a PAUSE uncurrend or not

"Unfortunately, I found the screen blanks while playing!"

OLUMSI - Recent Chances In All Ford

SELECT DEVICE. On the uniform array lave to

"page"

the ENTER bey

CONMANDS

QLuMSi/QL than Month of contine type, it's provinced classes) as a float-end province on Mile. DOS resolation, and a learning cool. Of saletis is a TURPED. compiled progress that our be ENGIC: WY d on any CK. which has TK2_EXTensors

at indestrals who serve between QDOS and DOS. OLASER along for a uncoder transfer when m. volting command has must --- Of AMSI will arresert be delegate for you. Edge on audiences " " One

QDCS's standard debratery or a presing"." (the standard For indenticals whose spaces may not went to use thew QL become they use a DQS system at work that al-

how then the comfort of the 'standard' prompts and commands. For example, bypog quill at an 'A.U' opposet. Quell program of it is present on the delete fig. For entortings who are not finalliar with "Associat"

When possible, QLaMS your minace the MS-DOS command line spones. Sevenee OLobiti should also be Everaght of as a floor-and program, some of its ferobons

several what our be done than the ECS command line livery element has been made to occurs OLAMOR compatibility with the dements of the MENERYCA RODA

rode to wall so the variables. Swind in the IMSO's Silvent FLEST_way---- WildLEST applied QLETTer and QLAMBer trees will recognize the

FLIST_mp as the dynamic file which posterior the reason The PLIST imp file can be exposed into Quill or usy other word processor or test editor

Although Challette "lades" the PLEST may die fanprior economic, the Sie was ranged " " " A if in property An analisty progress (MFTLE cost to rectained to feeling report of the " " Se by people who are

spewing from order various of the program deFILE exe

The dePLE are efficient a transacted version of the QLAMBer floor end & biblity program. It can be may as a

mated agrain or paper augus.

(Fyer YETW (Steamed or COPY (Steamed LPT))

Both of these facebook now recognize Chall fing acpended seds a " doe" sedler and precents a poughly for-

You will be given an opportunity to about the process The following COMMANDs are supported (Typing CD1 DOM: N PENAME

serow keep to change the cove number CI-O. Print

The presence will then are depoter to the deFLS.

Agent, are the agon courses laws to worse the body. highway box over the economics Sensors, and then name

ADV & WDV are sho second

Serie "MD V aresses the MAKE DIR berword 1000. (Sme)GOLD CARD, and PLATAM). Olichette COMo Ga., COMo -- eventore) as enterget the variations proveded for systems lacking the MAKE DIX.

keyword. The "_COMb" type is the only sometime which rappoors under?

Trying "HELP..." Others "..." is the pasts of a managed of community will grown more detailed information. The COMMAND_COM progress to the state as the dates 1917 beyond the HILF agreen which shows the

COMMANDS and PATTS which are supported COMMAND COM has the adventage of borne 'smaller' than the '£4' program GLAMBY THE IS the CLAMBY COM process return begon with a 'CO' prompt (Le., 'want ') STREET, DOMESTIND EXIS IN the COMMAND

VIEW (Several)

CLUMS 4 82 Updated Where possible. Qualitit input remos the MS-DOS Suff of these Eurobone sow recognize Out ties appended with a "_coo" suffix and governor a roughly formated If you VICW Blomme) or COPY Hierarch LPT1 this Updates_doc you would not something like this VENIER will belt, or a FORM PRED will be and in the

Although the output as out what you would not some Ordinal a proter det, e will allow you to look at a appear subregery a corrupted "_Goc" fire, lest, you should be able

CCPY (compt_doc) lptl. As below, the ston-ASCII characters are 'end' when VECWed and empty enems when a COPY is sent to the If the ", doe" redits as not present, the program will.

deploy the file without the yough formalting.

Volume in other A is at PLATYPUS Clinedary of A.

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ZXII QCavs Alive!

To see a Diffactory data displayed in four columns, type or. DR facts tetral/W Edits speed trac where a 'Bad command or tile

USALIN, INCOME. Some MFTwork comments etc. First, if your evotors done not have a hard disk centricol you may not the sight with dones for Some of you may wonder what and why there are provisions for up to eight (0) mile(), devices (our well-While self () may seen to be an arbitrary NFS USE

designation, if is in observation which shock for nonversión pour en cult The mount that there are night noted a degree on a became you can so fact armen that many descriptions

reblity as a what of europeans, and then word back and Per-in-per NCTweek communition, where the QDCS denses have equal access to one another, becomes mable when Super CEN'S Association with the Con structure. ments to the executive hard excessors.

OSCL: PERSON NYS USENDE, NO Sel, NO Sec. N2 pent , N2 pent , N2 ment , N2 ment ,

N3 mp.) The Bottom Line CEAMS: it insiable either depoly (\$1.5), or so so UPDATES area daily (SDE, PO BOX 17 MERCO, IN

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BY TRAILS

AD COMPUTING TO YOU

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230r QLive Abret

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Some New 2000 yoursept 3, 3, 5, 7, 7 and 7 in order to make the second of the year for Delac Solved Enterface (see as seen second to Type the Option 17: 1,300 length finds or 40 Option 2001 of the second or 10: 1,000 length finds or 40 Option 2001 of the second or 10: 1,000 length finds or 10: 1,000 or the second or 10: 1,000 or 10: 1,

From Studies. These series to the color action, is stellar to non-how the shange on some solution ones efficient. This deal min A by sometiment, here folley as revealed, every tota Cuty uses 100,000 or on proposity e doub-destinate finition. Down profile sole of instance (CAVIDs profile sole of the street references to the color profile sole of the state (CAVIDs and Studies and the state of this shane flower toda, and which all measure and supporting, where was precisionally as the state of the state (CAVIDs) and the state of the state (CAVIDs) are the state of the state

WAGING IN THE TSRO

April 16", 1975 WAD in Wild A., Classe Tillicom in the zone in which I have all my computer expansion entry With the classifications and of the way large reg z. When I recoved the SPEDNS area of ZEE CLass ALASSI Come morph the SPEDNS area of ZEE CLass (Losses) were it my effort by an all them is no little come to zero of the referral by an all them is no little zero to zero (self-mession field of Abreshy I no working on the nort same Little anneancy and other in self-mession.

D. C. Smith has a resident with his Ladden/Share disk days unterlian. He should that it would be the fact that he had SAFE v 3.55 lest I had used that for a whole with both exteriors up and remove. With South, has problem as that the Cherr will not work of the Lacker as tracking. So I was testing that out when my computer our Well not exactly out but if other scheduse was extended at the time the ecospater was powered up I gut rangely bells Dut if they were both termed off then I rould get hoth to county I thought that I would were provinced with the there the acceptant would not utitudes. But the commuter that was on the ASECO would work on the LatKon/Oleva sales. A find computer that was my cognic company would work on the ARRECO but set if the LerKen board was at the dock port I was quite pressied. Then once in a while the receptor that I put on the Ladica/Otiger system would also not the bells. I would recover down and unit

0000

model give need the lefts. I would grown come and was indepressing used in sould work all gards. In 50 part dataset on bearin't to Latifica found small hand off great needs. If I field in our for Latifica found small hand off great needs. If I field in our for the Latifica found with the Reportion IFRICH out or in the LeftsConfigure prison the competenword date does not work the weakfulness.

time. So I weatherd if it could be reliable to the power supply weight on power strategy readed the assupplies. Which has no the remote strategy and the assupplies. Which has not the remote activation of the country of the country

Then there is my learning more shout programming. I later so little and so I have been typing in the program. Sum the beside that I have (TOS beets of commo). But nothing as no househing that to have a progress fell and gave some copyler amone, for failure. Such as:

toding as an Exemple that so have a progress fell or gree vetter cryptic reason. for failure. Such as: 2 Vetable not found, 1300;1 And law 1339 as: 4440 000007 TOLE 0227 * 0.4 *** 1 Dec 04

Effect "If or 18" values seen not found. You have be got force a water. As it for a yr, an attention to the control of the con

Chin

lines per page

by Robert Shade

QL Hacker's Journal

Fut assess are weakble on title, we need, or we fee. Second Lefter to More defind 1/20/14 Actobs for QUI on Accopt-FIT server, garbo areas. The QUI or a sharp on the properties.

Editor's Forumn Awaries for monte, another cone.

Austine few months, another cone, there is any special agredicance to pump; it looks ages to have a zero or the 1's claus

Due things more to report in this the number of QGII readers in sciencing (a) losed denot readers). I here mixing and more QGAI can the linearity. I find notice and stores find me. The e-reads late is now once 120 (accessly sociale the US). The head only reading list in in the read-20's (accessly in the US). These no sides how many people and the QGII as the US).

on the LEO. I have no size how many people med the QUI strongly floored, ESD's, and welcom on the latenat. One the of mens, them will be a QU, show in Chip. Radge, Tomacame, USA, on 10 Jans. The show has moved from Moreport, Ethode Island, where it has been half two looms as the peak, I plan to sitted QV's only short a 7 hour terms as the peak, I plan to sitted QV's only short a 7 hour

where the ready TP has given to make the term, all past around me desired for ready TP has given only till livener, all past around me around programme languages and tools. Ringe to see you then programme languages around rolls. Ringe to see you then programme languages around the see around programme around programme

QDOG and MS-DOG, bet with an opt one for UNIXI QUARNO's compensated of LT deposits with 15th functions. Pedro line that I are no Digest Consoled approach to wear, or the politique, QUARNO's placed on the public dataset. The Consoled approach of the public dataset. The Secretary of the Consoled approach to the public on the Secretary of the Consoled approach of CQLS. The other is an article by Namesa Dorder centred. The III — an infect of profile? This is a simple action on the Prober Enveronment, when it does, how a product, on the Prober Enveronment, when it does, how a product, on the

or a trace. This is the best, must detailed, while I have seen on the PE. I hope Nittman (or actions) would consider posting this article out or a lattle peoplets or books. It's long out to need to me which as a revision of a professionament. Needless to see, I restly bland the whole

Venguare. Venilles to set, I mily likel the whole Program Proposal - Descriptor I ackes through lating of our uploads to the lob-06/Windows alth CICA, I cancup with an also for a pro-

moti on et. I basegist i model persons the sites here. Propefully accessor will run with it.

Description as programs that allower for each QOOS file to have a "long file name" or description. The best way to describe files programs is to show how gi will work.

describe this program is to show been it will work.

When a case is mady to note a file more into a program track in Quilly, he has ALP Q Quarry. The Descriptor window pope up. The user enters a description of the En (according him a loss file names? Framedax would be.

MFR. Masso to my Ross (MFR, stants for Meson For ZXIII Of Jon Africa) Decorpor would thus look up all of the file decorptors that have the many in them. If more than non as bound, the near is allowed to shows. The rest filename (is, figs, look, lot) as then entered into the programs (on the laybound luttle). The program allows you to almost species the sessifile

Date program allows you to situate spaces the seel file twent for a file and use the long descriptor. How it is should work: Each disk will have a database file (not first field file names to descriptors. The file will be safed descrip-

for the forms will be
Memories entideactories
Descriptor only dense the first in the file as important. This issues that colors are allowed in the descriptor
Descriptor will have done familiane. Query, Add Sin.

Descriptor will have done Standaus. Query, AAd Sie Debes Sie.

ALT: Q in Sie belder for the Query Standaus.

ALT: A is the beldery for the AAD File Sentens.

Right below saving a Sk, lift ALTA, some the finname and that the decopate. The file name will be estimate into the progress for you.

__ALT. Do the brilly for the Delete File function.

The same will query for a file from descriptor? Select the proper file and it will be deleted jost of the deschare and off the deleted post of the deschare and off the delet.

In the proper file and a selected to delete us of the deleted between the file delete.

In the proper file absolute work fields well, in resulter, I

don't focus how well at would do. It model help as leaving tasks of it forms of time files or Qualifies. It mused this type of files resome as a Unit office automateur perlangcided A.M. By Acquiro. It multy as most it connect to freely each of the design of the connect of the connect of documents, exp. with late of acquire's and such. Howeverse Shring. In one of the programmag prevayance at read, I saw a

het. A short ensemple would be to habe the string "aboth" und realize "sidon". This belle putte sommed interesting, as I floorgie! "world gray as that myssid." My first approach to grouply intensive. First five length of the string and then for a FOR, long beddersole through the string, adding each elements to seather string.

total rove, leagth tempth = 180((a2) FOR x = length TO 1 S1EF -1

RECORD TOTAL
ROLD CHYLLIA
The coumplet I can was recursive bestel, so I thought I would by the approach.

would by the approach.

DDFace Fulltion reversed (Led)

Summer 1995

AS LENGTHS -- DEED SELLEN AND SETTERS Lemp8 & Lod (1)

How I woute this penaled one of how I used to do a the evil condition that. You have to think about how you what the recursion to step and check for this condition at the start, if they detailed to try the program or Luy strong the the outrole below. When I was looking at the managle code that came with WE-Lap, I found that it had a reverse

(list (car rev List()))) ; end of cond 1 a west of de perverse Then upon Sother looking, there was another version.

don't know if it was widow to use the lowest been Line. words or not. Agrees, E's applied operate to positive

((Essuil (off Liste)) blate)

(car (rev (odr liste)))

tews (our (new (ode lists))))

Ten ware try SuperSteac yragoucus era not the most elegant and our be emproved upon. As they read in college,

Grd Dn C Commiser - A Ressew CST. Pider acres that the observier is your manable from

of the Clausege, but a supports more than Smell-C. Like QL C, I' has a complex, a assembler, and before it every mon a link some file like QL C And, like CSS, even though it has a receiver of programs to do a full couragin, it has a

ZXGr QCare Alive!

OMDES 1 - CORDERA HICEMANICA, ECUMPATION OPERATORS Travel prisoner supports the standard commands, but also suppasts the inclusion of assembly code. There is a serious pr (4000 mintro The steederd C firection library is supported with need finances that Smith-C QEOS support or complete.

attempt different than some of the other occuption. It does testance with ODOS The events in facts counside It does not any aughexemple seds, but a documents the compiler flight wall. The sense messages are fully laired and there as even an

The complier fits at between Small-C and QL C (web Old being for above of C compaints). If you are used to washing with Ernell C, then QC to a stop up in what you're of perting than Smid-C. OC is not as complessed to one or CHI om be Scoretous I find the fall speakility of Chil

those seem that Small-C does not cut it, QC would be a good complet to tax

Recent Freevore - Apt Exchant Edicky has ported a version of ATL to the CL. AFL stands for A Programming Language. AFL in known for being about the worst wate-only language. AFL orgally magery a sessoi brobosed, duestry subme of a

imprage not may to part. APL at also on atherested This surhering version of AFL as based on a fineway. Disk vessor that does not you son sponsi probols, only the speakeds at ASCS. This meets that you can not type standard written AFL code density in to this AFL. You

the flewy embels uso the ASCII symbols. As I end, AFL of 2025 an easy language to deal each Below are a few examples of APL sade that came with the interpreter

ard C skalar addition

Surance 1995

a/hicharks C solve samb (4+.Kel-b C .. is that true a(5 tm/b7/2) Es C now we have but

ATL is despited for matter operations and is great if you set from own fairly complex made operations. I have a book on computer generated mane which is based on AFL. I've were the use of AFL is kented in the QL community, but it is always used to have smarther bargingly for the QL.

the CL.

The port of AFL side owner with some figural edition
written by Rachest. Signals allow commissionists between
peacease. If their is assembling you are building for, from
pack up a copy of AFL and get the edition draws as.

Werd Writp

Secret by a copy of API. Integer transmission (spiece as a World Wing)

Now that I have an IEF Deskjer 199 indjet presinc, Pim mange to think about which tryet of engine I confid do on a; Pim Knoot the pime of any work presences that support on the less that to ensure I have regard up (spill to support one of the first the ball in world first to use our of of the first the ball is world first to use our of

the proportional lovis, but Quil (and all not obtain) are all monanges based.

I have written a short point filter that supposes the DOSS I is supported for manuscals (shir MOSF or old WordShir) that do though like Bold, balan, now page, see The tend of the word was now of most ball to the shirt in tend were more) way facility. For

low is the assess code for a program that does just wood wrapping.

If there is a Sic, waspe all the words based on the page width (in electrotes) and outputs the results to morbite Ex.

This program is really just a self that program to fosce on bow to do wood response, Sir mail of a result has added.

on here to die word wengering. Siy mee'l it would be ealber lement doubern to die word wengering. Siy mee'l it would be ealber lement doubern wand in a ppring companierant Ball Usua). The pager welfth should not be heed reduct into the prosposit, but looked all manifers (solve lipped in or as a command line segmental). The common recent is dow those about the word file.

is expens a sum no devem puragraph. It expent the spear, this, or newline characters to drawle worth. Non-ASCE characters are not handled.

The need step as this purgess in to said the support of proportional forth. As in the program train every character as the same waith. With proportional forth.

alternative differ in moth (see a meader than a m).

Choc adding propertional front is seader, than a m).

Choc adding propertional front is added, than different mend from one be added (12 point, 29 point, std.). Chapter seeds to be based on the size of the original (in mother) and not be stated on the same of the original (in mother) and not be stated on the same of alternative.

"" "YEST, C.

This program takes a file to report and could us or
word and enformed the paragraphs based on WEDDY
the coppet file.

This program copects a black line between paragraphs.

Minclude catdio bo Edefine MIDEL 40

min() | char file()N), file2(NO), str(NO); int ful, 627, teep, length, cor_len; EXE QEAR ABW/ 2

printf("Exter Output File Feme: \n"): gets(filed); sed = Topen(file2,"w"); if (fd2 = SILL) | printf(Told not open file; tw".filez;.

1 car len = 0; Melle (1 = 1) | Leng = get word(str,fdl); if | temp ==-1)

fput('in',942); follow*(fd1);
follow=[622];
about(60;)
f (twsp = -3) (fputc('in',642);
fputc('in',662);
fputc('in',662);

*lee (length = strlen(str); if ((coc_len + length) > WIDCH) (fpent("ln", fell); foots(str.fell);

fpots(etr.fd2); our_les = leogth; | else (our_les = our_les + leogth + 1; fouccit' '.fd2);

gent the poor model or the tank and on a wood in space tab, or LF A LF work no wood steams the end of a pengaged. In-fluor values are: 0 - no orror

-1 - End of File (EOF) -2 - End of Line (EOC) (meaning end of paragraph) wood(str. fd)

int count, c, if;
sts(0) = '\C'',
if = N0;
count = 0;
shile (1 == 1) (
if (1 == getolf6) >= N07) return(

incourt; = 4/9,1 incourt; = 11 et (1 = 40,1) it (0 = 10) if = ARE - = 11) if (0 = 00) if = 11 if (0 = 00) if = ARE

, resolution ;

Retent Freeware - Inform
NYOU'd in a language and to count not advantage
patter. It is been for the out of wherein a fair to company.
NYOU'DM used to produce. The advantage were
compared of one that East and one oppose. The advantage is the second of the company of the comp

with NYOARI, the fill process can be done on the CL.
The DEVEMI Improgrammental CC. is more request,
but the nine purely selevation related words lock more like
a delabest proprisonal betweet or white of words lock more like
a delabest proprisonal betweet for life's verbood. To
ger you so also of what the insparage convex, been one a fireshaper teller to me DEVEMI Language behand. Objects,
Properties and Attentions; Process, Sormany, and fan MagCannag Adabase and Malage (for Clear, Centermen, Expporties, and Solv-buyer, Doors, Entiry to Solice, Trived Inend Finel, Journal, Large Cannadas and Cannassassion.

\$100 PMS, Morens, assess, variances and Shalling the Player, Chanaca of Olipsian, Adelang who of Chemistra the Player, Chanaca of Olipsian, Adelang who and Chemistra to the Player, etc. The Device of the Language Mandala of Softy Minis and Softy Ministration of the Chemistra of

des't know what the demand the rant advantages is, but the discussion of the demand of the demand of the demand of the desired comment. The combination of EVCDAS and EXtrady rooms are that door to the advantages for the Demand of the demand of the demand of the EVCDAS deferm you to comply your own advantages. EXP where you to ran your advantages or can other advantages four other platforms.

If you was internated in their advantages based on the If you was internated in the observations to see the

inversion regulate control is a made abstract on one made of documents. If y by good due to the distractive; Object of inversion Programming On The OL. If we bear working the control made or programming time forward the Chyant Control purchage the areas to the control of the Chyant Control purchage the areas to the control of the Chyant Control purchage the areas to the control of the Chyant Control purchage the areas to the control of the Chyant Control purchage of the control of the Chyant Control of the Chyant Chyant Chyant Chyant Chyant Chyantol Programming (1007) and proceeding to program-many. It have you to see as whele the companies to the Chyant Chyant Chyant I have you to see as whele the companies to the Chyant Chyant I have you to see as whele the companies to the Chyant I have you to see as whele the companies to the Chyant I have you to see as whele the companies to the Chyant I have you to see as whele the companies to the Chyant I have you to see a white the companies to the Chyant I have you to see a white the companies to the Chyant I have you to see a white the companies to the c

ZXX Olive Alnet

"An object in resembly a block hot dat commas in them issue statements. Yet either the object is manager which causes the object to persons some operation. One appert of our object is dury out due to these to be seen what is maked in other in which is not to be able to asset a Private agegramming paint of times this is more bloody. The object is actively a section of objects the commands to see. Sypen made to design when one caused, the same of the objects that

To see that sounds like assessore describing a procedure and not an object. Who nearly knows the materials of such procedures or factors like loyes or gets. You see have set the word object and copiace or notic procedure and at woods still be made received.

take said the word object and replace is well procedure and at would still be made enough.

Watering to my us gave OOP a try, I have been inciding for a language fair the QL that will do some OOP. I found \$2,500 for the QL. This variation of \$2,500 is \$2,500 Mee. which has some either command fasteriat balls.

26.559 for the QL. This various of YALISP is XLESP Mes, which has some object central distance to black. One of the decrements that comes with XLESP Flox as "An experiment of the Common of the Co

of NAIRE How Chann, Objects, Manages, salf-sish seeds. There says if the conseption to loan I, forugath "All, litters as White it first saw the decrement, if forum "All, litters any plantes to loans and lay set OOP on the Oo!." These the mobiley of litters Ling hill may I litters being setted language. White POPTING Origing with other more proceedings because with a POPTING Saw is sweet. I made shows that I made contribute only only get the Amaging of the languages. The loan active is not presented medium good of the languages. The loan active is not presented medium good of the languages.

find it a mil fore to read Liap code. So these gave any great sides if Hermit COO! Tomides from what I can gather flows the washings. I den't sin the informance at last over procedend programming. DRL for those willing to gave it is my the copulatry as there. If response down Equate Xillan and OOP out, I hape they will not find here the of this can me of us.

communication, and the others, contrast of precision of Commony Americal, Postpian Chicara, America and the Commission America that the contrast of the common of the compount. Languages seemantees for the common of the contrast Languages seemantees for the common of the contrast Languages seemantees for the common of the contrast and the common of the contrast and the common of the common of

Promise programmes will be considered programmes will get momenty companion. The sense good for Blassware providers first even from moment and bogung that all uses at angular des societies.) But for Threeton programmes, the main simplaine as on their. There do if for the first out, the main simplaine as on their. There do if for the first out, the main simplaine as on their. There do if for the first out, the main simplaine as on their Three do if the first out, which is been will write understand and disabless of the others. But we not, a what is officed for very later population.

posted before 1994, but did not make a bar smout until I had convully thought about just deciding the worwen myself, so save requirement will do . But, I soully

prepared first sees worth stand

ZOA! Mailing Rod Gliss

Paul

Hugh Glenn

Question

Sobneon

Newton. Wesley

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Chemodása

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